

ABSTRACT OF THE DISCLOSURE

A pixel operable within a photographing device includes a light receiving portion for generating an electric signal corresponding to an intensity of received light, an amplifying portion for amplifying an output signal of the light receiving portion, a number of storing portions for storing, as a current signal, an electric signal amplified by the amplifying portion, a load portion for converting current outputs of the number of storing portions into voltages, a bias portion for supplying an offset current to an input of the load portion, and a calculating portion for calculating an output of the load portion, wherein a number of the pixels are arranged in a matrix. The storing portions and the photographing device are disposed on the same circuit, thereby expediting pixel processing. Additionally, with a bias, the output becomes stable.